

ABSTRACT

The present invention is a correcting system for correcting a linear block code generated by coding an original data via a data coding process when a predetermined correction portion of an original data is corrected by a variant correction data. The
5 correcting system comprises a coding module and a correcting module. The coding module is used to code the variant correction data via the data coding process to generate a corresponding variant correction code. The correcting module is used to store the variant correction code and calculate the variant correction code and the linear block code to generate a substitute code to substitute the linear block code.
10 Therefore, if the data is modified after an optical recording system has completed coding the data, the optical recording system could add the substitute code to generate the renewed linear block code, unnecessarily reprocessing the complicated data coding process.